

Template 1

Name. _____		Printed Pages:01		
Student Admn. No.: _____				
School of Biomedical Sciences Summer Term Examination – July - August 2024 [Programme: B.Sc. Medical Biotechnology] [Semester: 1] [Batch: 2023-26]				
Course Title: Ecology and Environment Course Code: C1UB102T			Max Marks: 100 Time: 3 Hrs.	
Instructions:	1. All questions are compulsory. 2. Assume missing data suitably, if any.			
		K Level	COs	Marks
SECTION-A (15 Marks)		5 Marks each		
1.	Discuss the role of sustainable development in environment protection and conservation.	K2	CO2	5
2.	What are the powers and functions of state pollution control board?	K1	CO1	5
3.	Explain nuclear holocaust with suitable examples.	K2	CO3	5
SECTION-B (40 Marks)		10 Marks each		
4.	Illustrate the ways in which an individual can prevent water pollution.	K2	CO3	10
5.	Determine the limitations of various types of non-renewable energy sources.	K3	CO2	10
6.	Demonstrate the environmental impacts of coal as an energy resource.	K3	CO1	10
7.	Justify the use of wind power and solar power over conventional energy sources.	K4	CO4	10
SECTION-C (45 Marks)		15 Marks each		
8.	Analyze India as a high biodiversity nation.	K4	CO1	15
9.	What are the threats to biodiversity? Formulate a set of action plans to protect biodiversity.	K6	CO2	15
10	Express systematically causes, effects and control measures for various types of pollution.	K5	CO3	15

Course outcomes: Students will be able to		
COs	K level	
CO1	K2	Develop an understanding of fundamental concepts, issues, and policies in environmental sciences and ecology
CO2	K3	Explore the problems that pollute the natural environment and hamper the quality of life
CO3	K4	Implement technology and innovative ideas for pollution management and abatement
CO4	K5	Develop an understanding of the laws and regulations for environmental pollution control and environmental ethics

- Note: 1. Q1 to Q4 from K1/K2.**
2. Q5 to Q8 from K3/K4.
3. Q9 to Q10 from highest knowledge level.